

**Labor Category Descriptions
For
STRICOM Omnibus Contract
(STOC)**

Prepared by:

**Department of the Army
SIMULATION, TRAINING AND INSTRUMENTATION COMMAND (STRICOM)
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1. ANALYST, MILITARY, LEVEL 1

Duties:

- (a) Serves as subject matter expert for the development and production of simulator Instructor Utilization Handbooks and other training materials, as required
- (b) Uses automated tools in the PC/ workstation environment, which include a broad knowledge of database preparation.

Requirements:

- (a) Shall have specific and detailed knowledge of, and at least ten years experience in, the deployment and employment of military combat, combat support, and/or combat service support systems
- (b) Shall have detailed and specific knowledge of military doctrine and tactics
- (c) Shall have an understanding of the joint planning process
- (d) Shall have a broad knowledge of, the Military logistics process, Training Aids, Simulations and Simulators
- (e) Must have held various positions as a Staff Officer (Operations preferred) and in Unit Leadership (Combat Arms preferred)

Education:

Must have successfully completed full course of study in an accredited college or university leading to a Bachelor's degree or higher.

2. ANALYST, OPERATIONS RESEARCH, LEVEL 2

Duties:

Operations Research Analyst (ORSA) work shares many similarities with other kinds of scientific and analytical work, such as mathematics and mathematical statistics; engineering; budget analysis; management and program analysis; computer science; computer specialist and economics. ORSA duties involve developing analytical methods as well as adapting and modifying techniques from other scientific, technical and analytical disciplines to solve complex problems. ORSA duties involve either research methods development or assessment or problem solving techniques. Other duties include the following:

- (a) Provide advice and insight about probable effects and alternative solutions to problems
- (b) Reviews technical products
- (c) Conducts technical analyses and trade off studies
- (d) Uses mathematical, statistical, econometric or other scientific methods and techniques in analyzing problems of management and technical nature.

- (e) Designs experiments to support evaluation of management and technical alternatives.

Requirements:

- (a) Shall have a comprehensive knowledge of all phases of weapon/ training/instrumentation system design and life cycle acquisition management.
- (b) Shall possess demonstrated experience in organizing, directing and leading technical efforts in analyzing, specifying, developing, fielding, and sustaining weapon/ training/instrumentation systems requirements, supporting weapon/training/instrumentation systems acquisition and conducting independent analysis, validation, verification and accreditation of simulations and models.
- (c) Shall have at least 8 years of specialized operational research experience on weapon system and or training/simulation/instrumentation/testing systems development, of which three are current (within that last 10 years).

Education:

Master's degree in operations research, mathematics, probability, statistics, mathematical logic, engineering or related science.

Substitutions:

A Ph.D. in operations research or equivalent doctoral degree in engineering or computer science may be substituted for two years of specialized operational research experience.

3. ANALYST, TRAINING, LEVEL 2

Duties:

- (a) Provides training requirements analysis throughout the training acquisition process
- (b) Directs/performs media selection analysis from a training analysis and contributes to the full training system design process beginning with a front-end analysis.
- (c) Directs/reviews training documentation and analyzes the training collective /individual tasks that comprise the Mission Training Plans (MTPs) to identify those tasks applicable to program baseline requirements.
- (d) Oversees review of interim training task listings provided by external agencies (TRADOC, Project Directors and Contractors) for the Project Director to ensure baseline requirements are valid.
- (e) Supports project engineers to ensure that engineering solutions and training requirements are compatible.
- (f) Reviews developmental designs provided by contractors to ensure training requirements integrity is maintained

- (g) Supports project logisticians to ensure operator/maintainer training sufficiency is attained
- (h) Reviews technology insertion documentation and makes recommendations based upon program training objects.
- (i) Shall have demonstrated expertise in instructional system design for military applications.
- (j) Shall have experience in military training system acquisition.
- (k) Shall be capable of conducting a training system analysis from an overall system through subsystem to lesson specification based upon the design provided by a senior TA.

Requirements:

- (a) Shall have demonstrated expertise in instructional system design for military applications.
- (b) Shall have experience in military training system acquisition.
- (c) Shall be capable of conducting a training system analysis from an overall system through subsystem to lesson specification based upon the design provided by a senior TA.

Education:

Successful completion of a Bachelors degree in Education, Psychology or Instructional Technology from an accredited institution is required.

Substitutions:

A total of 8 years of military/professional experience with military systems, which includes 5 years of experience performing training analyst duties substantially as described herein, may be substituted for academic requirements.

4. ASSISTANT, LOGISTICS

Duties:

- (a) Prepares Integrated Logistics Support Plans (ILSP) and Materiel Fielding Plans (MFP).
- (b) Prepares and review logistics program schedules and other program management schedules
- (c) Reviews and recommends changes to life cycle contractor support (LCCS) work statements

Requirements:

- (a) Shall have five years experience in more than one logistics discipline
- (b) Shall be knowledgeable DOD regulations, standards, and procedures as pertains to logistics
- (c) Shall be familiar with the logistics functions and milestones in the DOD acquisition process
- (d) Shall have the ability to assist Logistics Management Specialists in the performance of their missions

Education:

Shall have a Bachelor's or higher degree in Engineering, Science, Mathematics, or a Business related discipline.

5. COORDINATOR, PROJECT

Duties:

- (a) Performs a variety of different actions and activities in support of each assigned system, project, or program. Functional duties primarily are to plan, direct, organize, control, and coordinate technical efforts, contractor manpower and team activities. Includes areas of administration, program control, and technical supervision of personnel involved in systems engineering, integration, in support of assigned tasks.
- (b) Plans and coordinates the activities of administration, program control and technical supervision of personnel involved in systems engineering integration support efforts.
- (c) Interfaces with the Government's Contracting Officer's Representative (COR) and Technical Oversight Representative (TOR).
- (d) Provides direction for contractor operations and ensures compliance with all management policies, plans, and procedures.
- (e) Provides recommendations for resolution of technical problems.
- (f) Reviews and makes recommendations to the government TOR regarding the efforts of the Project Team so that the proposed efforts are consistent with cost, schedule, and the performance requirements.
- (g) Make recommendations to the government Project Director for the resolution of divergent viewpoints and inputs to critical decisions resulting from unseen situations which may develop during the life of the delivery order.
- (h) Establishes processes and procedures to facilitate the program management and task accomplishment.
- (i) Defines the standards for quality and timeliness and assessing results in terms of schedule, cost, and risk involved.
- (j) Develops program(s) based upon a comprehensive analysis of the requirements.
- (k) Facilitates program requirements definition and translates requirements into discreet, attainable objectives, scheduled to coincide with expected fielding dates. Applies a working knowledge of the functional areas.
- (l) Analyzes the results for program reviews to help develop the correct approach to ensure program milestones are met.
- (m) Ascertains the status of projects, difficulties encountered and recommends solutions through the analysis of periodic reports and contact with team members,

Requirements:

- (a) Shall have a thorough understanding of and experience in the systems engineering and integration process, including configuration management of the complete life cycle of systems development, especially the activities required to establish a new systems environment composed of products developed and manufactured by independent contractors.
- (b) Shall have the ability to understand the program management requirements of the tasks to be performed under this contract.
- (c) Shall have a minimum of **eight** years experience in management or engineering, in the development of military (preferably Army) systems.
- (d) Shall have two years of program management experience on a weapons system or training device project. Advanced degrees will not substitute for this experience.

Education:

- (a) Qualifications require the successful completion of a full course of study in an accredited college or university leading to a Bachelor's or higher degree in Engineering, Science, Mathematics, or a Business related discipline.

Substitutions:

- (a) A Masters degree in Engineering, Science, Mathematics, or Business may be substituted for two years experience.
- (b) A Ph.D. in a relevant scientific/technical field may be substituted for four years of experience.

Notes:

- (a) Individual does not, under any circumstances, control or direct any government personnel.
- (b) Individuals in this labor category are to provide information and data collected or compiled to government personnel to aid in the decision making process.

6. DEVELOPER INSTRUCTIONAL, LEVEL 2

Duties:

- (a) Applies instructional system development theory with emphasis on front-end analysis to training systems or simulation design development
- (b) Works with psychologists, engineers, training experts, and other professionals in selected phases of Instructional System Development

Requirements:

- (a) Shall have knowledge of the DOD acquisition process as it applies to training systems
- (b) Shall have experience in military or industrial instructional systems design and training requirements analysis of which the latest three years must be current
- (c) Shall have 24 semester hours of specialized training in instructional development

Education:

Bachelor degree or higher in Education or an advanced degree in Educational Psychology or Systems Design.

7. ENGINEER, ELECTRONICS, LEVEL 2

Duties:

Organizes, directs, and leads technical efforts in analyzing and specifying distributed interactive simulation integration networking requirements.

Requirements:

- (a) Shall have at least five years of professional electronics engineer experience with military electronic systems to include:
 - 1. Telecommunications design
 - 2. Computer network design
 - 3. Packet switching techniques and protocol design
 - 4. Microprocessor Applications
 - 5. RF Analysis
 - 6. Design of hardware for military electronics applications
 - 7. Trade-off analyses and Cost Estimating
- (b) Shall have good written communications skills.
- (c) An advanced degree in Engineering, Operations Research or Computer Science may be substituted for one year of experience.

Education:

Qualifications require a Bachelor's or higher degree in Electronics Engineering.

8. ENGINEER, NETWORK SYSTEMS

Duties:

Supervises lower level LAN system professionals, e.g., network administrators and hardware technicians

Requirements:

- (a) Shall have a comprehensive knowledge of all phases of data network design, which include network operating systems, software and hardware integration, infrastructure planning, and enterprise management
- (b) Shall have a working knowledge of Hardware Software maintenance, vendor relations, and systems procurement
- (c) Shall have a broad knowledge of local and wide area network protocols, internet connectivity and troubleshooting techniques
- (d) Shall have five years of professional experience in the design, troubleshooting and maintenance of large data networks

Education:

- (a) Shall have a Bachelor's Degree in Computer Science, Engineering or other business related discipline with an emphasis on computer systems, computer engineering and data communications
- (b) An industry certification, such as Novell CNE/ECNE/CAN or Microsoft Certified Professional (MSCE) is desirable.

Substitutions:

An advanced degree in a directly related field, may be substituted for two years experience

9. ENGINEER, PRODUCTION

Duties:

To provide assistance on an as needed basis to support in-house efforts for the administration of government contracts. This support would be to resolve issues related to labor standards, learning curve analysis, production cost proposal evaluation, evaluation of production planning, establishing design to unit cost parameters, assessing the progress of the contractor in meeting their published production schedules, and participate in the production acceptance testing.

Requirements:

- (a) Perform Production Readiness Reviews.
- (b) Perform Production Assessments.
- (c) Understand production processes and control.
- (d) Understand tooling and tooling concepts.
- (e) Utilize motion and time study techniques to set labor standards.
- (f) Learning Curve techniques and applications.
- (g) Cost estimating and cost proposal evaluation.
- (h) Understanding of quality, logistics, program management and engineering to assure a successful production assessment.
- (i) Understanding of government design to unit cost considerations.
- (j) Ability to review planning documentation and determine the risk associated with various aspects of production and to make recommendations to mitigate that risk.
- (k) Assist in the identification of Value Engineering candidates by being an integral team member from the onset of the contract and participating in an on-going workshop environment that will continuously drive down the cost of the systems being worked.

EDUCATION:

At a minimum, a BS degree in Mechanical, Electrical, Manufacturing or Industrial Engineering with at least 5 years of experience in manufacturing a production.

10. ENGINEER, PROJECT

Duties:

- (a) Supervises lower level engineers.

- (b) Reviews all engineering products, develops alternate technical approaches, and conducts engineering analyses, evaluations, and trade-off studies.
- (c) Organizes, directs, and leads technical efforts in analyzing and specifying training device technical requirements.

Requirements:

- (a) Must have at least five years professional engineering experience including the last two years in the design, development, test or evaluation of military operational or training equipment in the research and development or production phase.
- (b) Must have knowledge of Government procurement practices and procedures, experience in developing technical specifications and proposal requirements, evaluating technical approaches and conducting technical reviews in his or her area of technical expertise.

Education:

Qualifications require successful completion of a full course of study in an accredited college or university leading to a Bachelor's or higher degree in Engineering.

Substitutions:

An Advanced degree in Engineering, Operations Research or Computer Science may be substituted for one year of experience.

11. ENGINEER, SAFETY

Duties:

- (a) Manages and performs system safety and health hazard assessment activities during research, development, test, production and/or deployment of STRICOM systems.
- (b) Provides safety analyses, safety engineering assessments, and health hazard assessments; reviews system acquisition documents, engineering change proposals, deviations, waivers, mishap reports, and failure data for safety impact.

Requirements:

- (a) Shall have three years of experience performing or managing system safety engineering activities during the development of complex systems.
- (b) Shall have knowledge of the DOD acquisition life cycle as it relates to system safety and health hazard assessment requirements and processes.
- (c) Shall have knowledge of engineering techniques and system safety practices to identify, assess and resolve hazards.

- (d) Shall have the ability to communicate effectively, both orally and in writing, in working solutions to problems or questions relating to work.

Education:

Shall have successfully completed a 4 year course of study at an accredited college or university leading to a bachelor's or higher degree in engineering, which includes formal training or courses related with System Safety; Safety and Occupational Health; and Health Hazard Assessment is desirable.

Notes:

A certified safety professional (CSP) is desirable but not mandatory.

12. ENGINEER, SOFTWARE, LEVEL 2

Duties:

- (a) Determines and analyzes requirements for software supporting training devices
- (b) Conducts independent software validation, verification, and accreditation
- (c) Utilizes software development methodologies such as Structured Analysis and Design and Object oriented methods
- (d) Evaluate software design and architecture
- (e) Implement software quality assurance and Software Configuration Management (SCM) Procedures

Requirements:

- (a) Shall have at least five years professional engineering experience in the design, development and documentation of computer systems, software, and data bases for application to military weapon/training systems using Ada and other higher order language(s) and specialized data base development tools.
- (b) Shall have knowledge of all phases of computer system design and computer software acquisition management
- (c) Shall have knowledge of telecommunications and networking standards, architectures, protocols and systems as it applies to training devices, simulation, simulators and instrumentation
- (d) Shall have comprehensive knowledge of software architecture and object modeling, domain engineering and software engineering processes as it applies to training devices, simulations, simulators and instrumentation
- (e) Shall have comprehensive knowledge in software quality assurance and SCM as applied to the software life cycle development process

Education:

Qualifications require a Bachelor's or higher degree in Engineering which included courses related to computer system design, computer programming and data base design

Substitutions:

An advanced degree (Engineering, Computer Science, or Mathematics) may be substituted for one year of experience

13. ENGINEER, SYSTEMS, LEVEL 1

Duties:

Responsible for integrating efforts of various engineering and other technical disciplines into a cohesive product or program. Duties include the following:

- (a) Coordinates the efforts of lower level or project engineers for assigned projects or systems.
- (b) Evaluates for performance and operating characteristics against costs and development risks
- (c) Conducts technical reviews in area of technical expertise
- (d) Develops work plans.
- (e) Maintains day-to-day technical interface with STRICOM project personnel and ensures compliance with applicable standards.
- (f) Organizes and leads technical efforts in the concept formulation, project planning, and project engineering of Training Aids, Devices, Simulators and Simulations (TADSS).
- (g) Critically reviews all engineering products.
- (h) Develops alternative approaches and conducts engineering analyses and trade-off studies.
- (i) Develops technical specifications and other portions of a solicitation.
- (j) Evaluates contractor performance against technical specifications.
- (k) Evaluate systems design and architecture

Requirements:

- (a) Shall have 10 years experience in systems integration of TADSS and at least 2 years experience as a lead or supervisory engineer.
- (b) Shall have had experience in two or more specific disciplines (such as visual, C4I, software, firmware).
- (c) Must have at least five years of professional engineering experience, of which two are current, in developing overall system concepts and technical approaches for meeting broadly stated requirements to include allocation of requirements to system designs and preparation of preliminary systems engineering design specifications.

- (d) Shall have knowledge of telecommunications and networking standards, architectures, protocols, and systems as it applies to training devices, simulation, simulators and instrumentation
- (e) Shall have knowledge of system architecture and domain engineering as it applies to training devices, simulations, simulators and instrumentation

Education:

Completion of a degree in Engineering

Notes:

Experience in product-line engineering would be desirable in order to appreciate fully the complex requirements for specialized applications and systems.

Substitutions:

An advanced degree in Engineering, Operations Research or Computer Science may be substituted for one year of experience.

14. ENGINEER, TEST

Duties:

- (a) Recommends and evaluates both developmental and operational test plans
- (b) Monitors and evaluates actual developmental and operational testing

Requirements:

- (a) Shall have at least five years of professional experience in a responsible position of managing, planning, reviewing and executing qualification, acceptance, and independent testing of training systems
- (b) Shall have knowledge of DOD test regulations and coordinated test programs.

Education:

Qualifications require a bachelor's degree or higher degree in engineering or related sciences.

15. ENGINEER, VISUAL SYSTEMS

Duties:

Provides technical assistance in the area of visual systems, including terrain databases, image generators and display systems

Requirements:

- (a) Shall have experience in geographic information systems, and the use of mapping, charting, geodesy, and imagery (MCG&I) source data
- (b) Shall have experience in terrain data base modeling systems and terrain data base formats for visual/sensor simulation
- (c) Shall have experience in methods of real-time visual scene generation which support unprogrammed motion of the viewpoint throughout a complex and often highly detailed three-dimensional simulated visual/sensor environment
- (d) Shall have experience in the application of real-time display systems including all types of cathode ray tubes, LCD/LED/plasma panel displays, video projection systems, optical viewing devices, projection screens, served projection systems, helmet mounted displays and all methods of effectively combining these into visual display systems suitable for training
- (e) Shall have experience in military training systems and general training simulation technology

Education:

Shall have completed a full course of study in an accredited college or university leading to a Bachelor's or higher degree in engineering.

16. PROGRAMMER, COMPUTER

Duties:

- (a) Develops and tests software programs
- (b) Provides computer programming technical support

Requirements:

Must have five years experience including developing and programming software for the personal and mini-computers, working in both the DOS and UNIX Operating Systems, and programming in higher level languages

Education:

Bachelor's degree in computer science from an accredited college or university

17. SCIENTIST, COMPUTER, LEVEL 2

Duties:

- (a) Supports computer and software system acquisition
- (b) Conducts independent software validation and verification
- (c) Supervises lower level Computer Scientist
- (d) Reviews software products and develops alternative approaches
- (e) Conducts trade off studies

Requirements:

- (a) Shall be knowledgeable of all phases of computer system design and computer software acquisition management
- (b) Shall have three years professional experience in the design, development and demonstration of computer systems, software, and data bases for application to office automation systems using other higher order language(s) and specialized data base development tools (two years must be current experience) .

Education:

Shall have a Bachelor's or higher degree in Computer Science, Mathematics or related science which includes courses related to computer systems design, computer programming and data base design

Substitutions:

An advanced degree (Engineering, Computer Science, or Mathematics) may be substituted for one year of experience.

18. SPECIALIST, HUMAN FACTORS

Duties:

Conducts independent project work in application of human factors, ergonomics, and training principles to training equipment and simulator design.

Requirements:

Must have at least five years professional experience in human factors or ergonomic engineering.

Education:

Bachelor degree or higher in Engineering or a Ph.D. in Psychology from an accredited college or university or college.

Substitutions:

An advanced degree in engineering or human factors may be substituted for one year of experience.

19. SPECIALIST, LOGISTICS MANAGEMENT, LEVEL 2

Duties:

Responsible for preparing and implementing appropriate and operational logistics support concept for various Training Aids, Devices, Simulators and Simulations (TADSS) and simulation equipment and software.

- (a) Prepare Life Cycle Acquisition Strategy in support of assigned Training Aids, Devices, Simulators and Simulations (TADSS). Prepare Integrated Logistics Support Plans (ILSP) and Materiel Fielding Plans (MFP).
- (b) Prepare and review logistics program schedules and other program management schedules
- (c) Review and recommend changes to life cycle contractor support (LCCS) work statements
- (d) Prepare budget requirements and obligation plans
- (e) Plan and budget for Systems Integration Tasks (hardware and software), Independent Verification and Validation (IV&V) tests, Physical Configuration Audits (PCA) and Functional Configuration Audits (FCA)

Education:

Qualifications require the successful completion of a full course of study in an accredited college or university leading to a Bachelor's or higher degree in Engineering, Science, Mathematics, **Business, or Logistics related discipline.**

Requirements:

- (a) Must have (5) five years experience in more than one of the logistics disciplines.
- (b) Must have working knowledge of the DOD regulations, standards, and procedures as pertains to logistics
- (c) Must be familiar with the logistics functions and milestones in the DOD acquisition process.
- (d) Must be capable of assisting Logistics Management Specialists in the performance of their missions

20. SPECIALIST, QUALITY ASSURANCE

Duties:

Performs administrative or technical functions related to the planning, management and execution of quality assurance programs and inspection of systems

Requirements:

- (a) Shall have at least five years experience in performing administrative or technical functions related to the planning, management and execution of quality assurance programs and inspection of systems
- (b) Shall be knowledgeable and experienced in inspection techniques for electronic equipment techniques, defect classification, and standards of workmanship

Education:

Shall have a bachelor's degree from an accredited college or university.

21. SPECIALIST, TELECOMMUNICATIONS

Duties:

- (a) Performs a variety of different actions, activities, studies and analyses in support of assigned telecommunication/data network systems, projects and programs.
- (b) Plans and coordinates the activities of personnel involved in systems engineering and integration of telecommunication/data network systems.

- (a) Provides recommendations for resolution of telecommunication/data network technical issues.
- (b) Reviews and makes recommendations to the government TOR regarding the efforts of the telecommunication/data network project team to ensure consistency with cost, schedule and performance requirements.
- (c) Develops telecommunication/data network programs based upon a comprehensive analysis of the project requirements.
- (d) Analyzes the results of various telecommunication/data network program/project reviews to help develop correct approaches to ensure program milestones are met.
- (e) Ascertains the status of telecommunication/data network projects as well as difficulties encountered and recommends solutions through the analysis of periodic reports and contact with team members.

Requirements:

- (a) Shall have a thorough understanding of and experience in the telecommunication system engineering and integration process, including architectural design and configuration management throughout the complete life cycle of system development, especially with respect to system integration and interfacing of products provided by numerous vendors.
- (b) Shall have the subject matter expertise to understand the program management requirements of the effort.
- (c) Shall have a diversified knowledge of telecommunication engineering principles and application of standard practices to include analyzing equipment, software, interfaces and hardware/software requirements of communications network systems.
- (d) Shall have a thorough knowledge of advanced techniques and the modification or extension of theories, precepts and empirical input to site surveys, system engineering plans, installation plans, engineering trade-off, cost performance analyses, risk assessment and design optimization.
- (e) Shall have a minimum of five years experience in voice, data and video analog/digital telecommunication network systems/equipment, fiber optic cable, switching systems, network management systems and network testing.

Education:

- (a) Qualifications require the successful completion of a full course of study in an accredited college or university leading to a Bachelor's or higher degree in Engineering, Science, Mathematics or a Business related discipline.

Substitutions:

- (a) A Master's Degree in Engineering, Science, Mathematics or Business may be substituted for two years experience.

- (b) Ten years of experience as a telecommunication designer/developer and /or telecommunication manager/subject matter expert may be substituted for a Bachelor's degree.

Notes:

- (a) Individual does not, under any circumstances, control or direct any government personnel.
- (b) Individuals in this labor category are to provide information and data collected or compiled to government personnel to aid in the decision-making process.

22. SPECIALIST, TRAINING

Duties:

Serves as a training specialist in conducting job and task analysis. Assures the design of test instruments and training materials are technically accurate and functionally within known equipment and facility constraints. Develops technically and doctrinally sound instructional materials for training programs. Conducts field and resident training materials/test validation.

Requirements:

- (a) Must have five years experience in the organization, planning, and development of training courses.
- (b) Must have knowledge of educational theory, principles, and practices.
- (c) Shall have the ability to conceive, plan, and execute training concepts and conduct training courses prescribed by DOD regulations, standards and procedures.

Education:

A four-year college course leading to a Bachelor's degree in Education from accredited college or university may be substituted for two years of the required experience.

Substitutions:

A four-year college course leading to a Bachelor's degree in Education from accredited college or university may be substituted for seven years of the required experience.

23. SPECIALIST, WEAPONS SYSTEMS

Duties:

- (a) Supports the design, integration, testing, and engineering evaluation of proposed military training devices.
- (b) Performs functional analysis of design requirements
- (c) Completes technical evaluations of alternatives supported by trade studies and other decision making techniques
- (d) Prepares engineering reports detailing the advantages and disadvantages of alternatives.

Requirements:

Must have a minimum of five- (5) years work experience in particular specialty field such as:

- i. Missile performance
- ii. Trajectory analyses
- iii. Ballistics
- iv. Vehicle (Wheel & track) performance
- v. Artillery Performance
- vi. Gun Performance
- vii. Command & Control
- viii. Radar
- ix. Communications
- x. Fire controls
- xi. Munitions

Education:

Qualifications require completion of a full course of study in an accredited college or university leading to a bachelor's or higher degree in Engineering or other related technical degree, and a minimum of five (5) years of qualifying work experience.

Substitutions:

An advanced degree in engineering or physical sciences may be substituted for one (1) year of experience.

24. WRITER, TECHNICAL

Duties:

- (a) Reviews, writes and edits technical reports, articles, manuals, or specifications
- (b) Observes tests and experiments and interpret diagrams, schematics and other written documentation

Requirements:

- (a) Shall have a minimum of three years in the preparation and review of technical information in written or illustrated form under Government contracts or subcontracts
- (b) Shall be familiar with Government procurement processes, budget cycles, as well as computer and training device terminology

Education:

Shall meet one of the following:

- (a) Bachelor's degree
- (b) 60 semester hours and 3 years experience in a related scientific, technical or social science field

25. ENGINEER/ANALYST, TELECOMMUNICATIONS

Duties:

- (c) Develops and modifies complex network systems and develops subsystems to enhance the overall operational system.
- (d) Exercises analytical techniques when gathering information from users, defining work problems, designing voice, data, and video network system(s), and developing procedures to resolve the problems.
- (e) Develops complete specifications to define requirements for telecommunications programmers to work from in the development of software programs. Independently works on routine assignments.
- (f) Analyzes methods of approach. Reviews task proposal requirements, gathers information, analyzes data, prepares project synopses, compares alternatives, prepares solution specifications, resolves processing problems, coordinates work with network engineers, programmers and orients users to new systems.

Requirements:

- (c) Shall have a minimum of 3 years of experience performing the Duties listed.

Education:

Shall meet one of the following:

- (a) Shall have completed a full course of study in an accredited college or university leading to a Bachelor's or higher degree in engineering.

26. SENIOR TELECOMMUNICATIONS/NETWORK PROGRAMMER

Duties:

- (a) Independently develops, modifies, and maintains complex software network solution which support distinct, but interrelated functions.
- (b) Develops solutions using products from diverse COTS sources, addressing several technologies and have multiple multi-disciplined users.
- (c) Tests, documents, and writes operating instructions for all work. May perform analyses such as investigating the feasibility of developing alternate program, assisting users with defining needs, or participating on a team to work on large and complicated programs.

Requirements:

- (d) Must have seven years of relevant experience in the and five years of management experience.

Education:

Shall meet one of the following:

- (a) Shall have completed a full course of study in an accredited college or university leading to a Bachelor's or higher degree in engineering.
- (b) A Masters degree may be used to substitute for 3 years of experience.

27. INSTALLER, TELECOMMUNICATIONS

Duties:

- (a) Installs and terminates Fiber-optic and copper telecommunication cabling and associated switching and/or routing electronics.

Requirements:

- (a) Must have a complete understanding of the industry standards for all aspects of installing, terminating, testing and certifying copper and fiber telecommunications cabling (inside and outside cabling) and electronics equipment.
- (b) Must have at least 4 years experience. Must have worked in this area/specialty during the last two years.

Education:

High School Education.